



Rocky Mountain
Remediation Services, L.L.C.
... protecting the environment

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October 31, 1996

96-RF-06257
96-RM-ER-0140-DOE

CORRES. CONTROL
LTR. NO.

96-RF-06257

DIST.	LTR	ENC
BENGEL, P.		
FINDLEY, M.		
JERREE, C.		
MCANALLY, J.		
PARKER, A.		
POWER, A.		
ZELE, H.		
BROUSSARD, M.	X	
TYSON, A.	X	X
VESS, T.	X	X

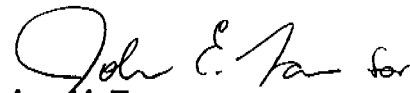
John Rampe
ES&H Program Assessment
DOE/RFFO

TRANSMITTAL OF THE QUARTERLY STATUS REPORT FOR DECONTAMINATION
FACILITIES - AMT-088-96

Action: Delivery of Quarterly Status Report by October 31, 1996

Rocky Mountain Remediation Services (RMRS) is pleased to deliver the attached copy of
the Quarterly Status Report for Decontamination Facilities in fulfillment of the scheduled
milestone due October 31, 1996.

If there is any additional information you would like to have incorporated into the existing
format for the next quarter's facility report, please do not hesitate to contact Ty Vess on
extension 6540 or digital page 4012.


Ann M. Tyson
Vice President
Environmental Restoration Projects

JRC:aew

Orig. and 1 cc - J. Rampe

Attachment:
As Stated

cc:
T. G. Hedahl - Kaiser Hill
A. K. Sieben - Kaiser Hill

ER PROJECTS	X	X (2)
CORRES. CONTROL	X	X
RMRS CC	X	X
TRAFFIC		

CLASSIFICATION:	
UCNI	
UNCLASSIFIED	
CONFIDENTIAL	
SECRET	

AUTHORIZED CLASSIFIER
SIGNATURE:

DOCUMENT CLASSIFICATION
Date REVIEW WAIVER PER
CLASSIFICATION OFFICE

IN REPLY TO RFP CC NO.:

ACTION ITEM STATUS:
__ OPEN __ CLOSED
__ PARTIAL

LTR APPROVALS:
MCB: MCB
JRC: AEW
ORIG. & TYPIST INITIALS:

ADMIN RECORD
A-SW-002584

**QUARTERLY REPORT
FOR THE DECONTAMINATION FACILITIES
903A PAD AND PROTECTED AREA PAD
JULY 1996 THROUGH SEPTEMBER 1996**

October 31, 1996

Introduction

The Decontamination Facilities support Environmental Restoration (ER) activities including RFI/RI and remedial action field work and the accelerated actions in accordance with the Accelerated Site Action Plan (ASAP). There are two decontamination facilities at the Rocky Flats Plant: the Main Decontamination Facility (MDF), also known as the 903A Pad - RCRA Unit 18.01, located at the east end of the Field Operations Yard; and the Protected Area Decontamination Facility (PADF), located in the northeast corner of the Protected Area. The PADF is also referred to as Building 966. Proper utilization of the facilities prevents cross contamination between sample retrieval sites and provides a mechanism to clean equipment in order to meet data quality objectives. A mobile field decontamination unit is also utilized when movement of contaminated equipment is restricted.

Two full-time technicians, two health and safety specialists (HSSs) and one part-time manager from Resource Technology Group (RTG) currently operate and maintain the Decontamination Facilities for Rocky Mountain Remediation Services (RMRS). In addition to operating and maintaining the two facilities, this work element is responsible for movement of environmental drums and pallets from the Buffer Zone and within the Field Operations Yard, moving equipment and unloading trucks for other subcontractors, performing decontamination of equipment, removing snow in the Field Operations Yard, and providing Health and Safety support to environmental projects.

DECONTAMINATION

RTG supported numerous RMRS Accelerated Action projects throughout RFETS during the fourth quarter. Additional support was provided at the MDF and PADF for other RMRS projects and ongoing routine operations. The projects supported include:

Trench 3/Trench 4 (T3/T4)

Clean water for condensate chillers and dust suppression was delivered to the project site several times daily as needed, during the entire fourth quarter. Approximately 180,000 gallons of clean water were delivered to the project site and twenty items were decontaminated. Throughout the project, bucket loaders, excavators, and thermal desorption ovens were decontaminated at a decontamination facility set up at the project site. Decontamination water was regularly pumped from the 1800 gallon decontamination water holding tank into the tanker trailer T-10 and then transferred to the MDF to reduce sediment content prior to treatment. Excavation equipment was moved during demobilization from T3/T4 to the MDF for high pressure steam cleaning. On site RTG HSSs were provided to the project for industrial hygiene and general safety support for the entire quarter. More than 1300 hours of decontamination and HSS support was provided to the T3/T4 project during the quarter.

CERCLA Tank Cleanup

Decontamination and HSS personnel supported the project with decontamination of respirators and associated equipment in a Highly Contaminated Area (HCA) located in the Protected Area (PA). The task required one decontamination technician and two HSSs for approximately two

weeks. The personnel also moved a supplied breathing air trailer and a mobile decontamination steamcleaner from site to site during the project.

Ryan's Pit

The soil removed from Ryan's Pit was placed back in the open pit after thermal desorption treatment. Decontamination personnel supplied equipment (pumps, hoses, ladders, and poly tanks) during the transfer of soils from the roll-offs to the open pit. Clean water for dust suppression was provided during the one week operation in September 1996. One roll-off was decontaminated at the MDF because of fixed contamination levels. Rain water within the roll-off was pumped out and transported to the Consolidated Water Treatment Facility (CWTF) for treatment.

PCB Cleanup

During July, decontamination support was provided for the sitewide PCB Cleanup project. The support consisted of performing mobile decontamination of excavation and sampling equipment.

IHSS 129 - Fuel Oil #6 Tanks

Decontamination personnel rinsed out three poly tanks used to store fuel oil #6 with the mobile decontamination unit and transferred approximately 350 gallons of rain water from a secondary containment berm. An oil/water separator was also decontaminated at the MDF at the end of the project.

Cargo Restraint Transports (CRTs)

Eleven CRTs were decontaminated at the PADF and were transferred to SafeSites of Colorado (SSOC), with the proper transfer paperwork. Detailed decontamination of the CRTs was required due to fixed contamination levels.

SW-59

Support to the SW-59 project included setup of a clean water tank during construction of the SW-59 soil platform.

Geoprobe

The Geoprobe, used both for ground water studies and geological characterization, was decontaminated or flushed out several times in August in support of various RMRS projects.

SAMPLING

Sampling and sample coordination was provided for the Trench 3/Trench 4 Project, Sitewide Water Treatment Facility, Ryan's Pit Project, IHSS 129 Tank Project, CERCLA Tank Cleanup project, and the PCB Cleanup project.

HEALTH AND SAFETY

In addition to supporting the numerous projects simultaneously and performing routine Health and Safety responsibilities, the HSSs for the decontamination operations completed numerous

surveys, and wrote several Preliminary Hazard Analysis (PHA), Activity Hazard Analysis (AHA), and Health and Safety Plans (HASP). Other projects supported by the HSSs include:

- Conducted daily safety briefings
- Conducted weekly safety meetings
- Maintained files for all decontamination technicians
- Updated Material Safety Data Sheets for the MDF and the PADF
- Maintained/inspected fall protection equipment
- Conducted weekly/monthly inspections in the Environmental Restoration work areas including:
 - A) Safety showers
 - B) Fire Extinguishers
 - C) Spill Kits
 - D) Respirators
 - E) Eyewash Stations

FACILITIES

During the fourth quarter, the 903B decontamination liquids facility was completed. The decontamination waters generated at and transferred into the 903A facility from the mobile decontamination operations were transferred into 903B sediment and storage tanks.

The RCRA Partial Closure activities for the MDF are ongoing and nearing completion. The Certification of Partial Closure for the Remedial Action Decontamination Pad Tanks, RCRA Unit 18.01 was submitted on June 20, 1996. A second decontamination of thirty plastic pallets was required to reduce high levels of chromium detected in rinsate samples. The RCRA storage tanks did not have any elevated levels of metals or organics when sampled for closure.

Buildings 903A and 903B tanks, pumps and pipes were inspected for leaks during daily opening and closing procedures and during weekends. No significant problems were identified during the inspections.

Maintenance at the MDF included resealing of a valve (V216) inside 903B, weather stripping at the base of the garage door, and filling of holes on either side of the 903B garage door with cement. Ladders within the building were stabilized using unistrut. Cleaning equipment was repaired and replaced as needed.

ANTICIPATED OPERATIONS FOR NEXT QUARTER

The list of activities includes the decontamination of pipes from the Sewage Treatment Plant (STP) and B-4 ponds, pumps, tanks, and light/heavy equipment from accelerated action projects. The personnel will continue to support the landfill project with dust suppression activities.

Maintenance and winterization activities are ongoing including removal of sediment collected in the sumps of both the MDF and PADF during decontamination operations.

CONCLUSION

There were no environmental deficiencies, no accidents, and no occurrences encountered by the Decontamination Facilities Operation during the July through September, 1996, reporting period.

Four RTG personnel have submitted "L" clearance packages to Personnel Security which, when issued, will reduce escort costs in the future.